



GOWER
RURAL DISTRICT COUNCIL

ANNUAL REPORT

FOR THE YEAR
1966

—: o :—

G. E. DONOVAN

M.D., M.Sc., D.P.H.

Medical Officer of Health

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Gower Rural District Council

1966

Chairman Dr. W. E. S. Moreton

Vice-Chairman Mr. John Richards

Councillors :

Mr. Glyn A. Grove, J.P.

Mr. W. G. Tucker, J.P.

Mr. Brinley Edwards

Mr. G. E. Gibbs, J.P.

Mr. B. J. Richards

Mr. Frank Lord

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Mr. W. I. Gibbs

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Mr. D. I. Thomas

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Mrs. M. G. Williams

Mrs. Susan Jones

Mr. W. Jones

Mr. W. L. Morris

Mr. M. J. Leyshon

Mr. W. N. H. Bevan

Mr. L. M. Howells

Mr. V. J. Owen

Mr. Royston Williams

Mr. A. R. Shefford

Mr. W. K. Jones

Mr. J. K. Jones

Public Health Committee :

Chairman Mr. S. G. Payne

Vice-Chairman Mr. W. M. Davies

Public Health Staff

Medical Officer of Health :

G. E. DONOVAN, M.D., M.Sc., D.P.H.
19/21 Uplands Crescent, Swansea
Telephone : No. 57887

Chief Public Health Inspector :

D. C. LLEWELLYN, F.S.I.A.,
C.R.S.I. (Meat & Other Foods)

Additional Public Health Inspector :

T. G. V. RADFORD
C.R.S.I. (Meat and Other Foods)

Clerk :

W. MARROW

Gower Rural District Council

To the Chairman and Members of the
GOWER RURAL DISTRICT COUNCIL.

Public Health Department,
Council Offices,
19/21 Uplands Crescent,
Swansea.

Ladies & Gentlemen,

I have pleasure in presenting my Annual Report for the year 1966.

The residential population of Gower is now 15,100 showing an increase of 600 from the previous year. The population figures have steadily increased year by year.

This is the residential population, but at holiday times is several times higher, and the people who visit Gower come not only from Britain but also from foreign parts. It will be realised that the mixing of these people can be potentially dangerous from an epidemiological point of view, and facilities provided should be adequate.

I acknowledge the very helpful co-operation that I have always received from the Public Health Dept. of the Glamorgan County Council.

I would also like to pay tribute to the staff of the Public Health Department and to thank them for their loyalty.

I am,

Yours sincerely,

G. E. DONOVAN,
Medical Officer of Health.

General Statistics

Area of District—38,652 acres

Rateable Value of the District—£374,432

Sum represented at 1d. rate—£1,450/9/11

Registrar General's estimate of resident population mid year 1966—15,100.

Extracts from Vital Statistics for the year 1966

Live Births :

	M.	F.	Total	Rate per thousand of the estimated populations— 17·02
Legitimate	..... 149	101	150
Illegitimate	..... 4	3	7

Still Births

Legitimate	..... 1	3	4
Illegitimate	.....	Nil	
Total live & still births	..... 154	107	161

Death of Infants

				Rate per thousand live births
Under 1 year	2	2	4	15·56
Under 4 weeks	1	2	3	
Under 1 week	1	1	2	
Maternal deaths	.....	.....	.....	Nil

SOCIAL CONDITIONS AND CHIEF INDUSTRIES

Gower is an area of Outstanding Natural Beauty, and as such, attracts a very large influx of day visitors, holiday makers, campers and caravanners, and this creates problems, especially during the summer months.

Traffic problems are great, car parking presenting a particular problem.

Gower is chiefly agricultural, and apart from agriculture, the catering industry is of great importance and is fully extended during the summer. The large holiday population naturally attracting mobile confectionery caterers.

The North-East Gower end of the Peninsula is mainly industrial and accommodates light engineering and plastics factories, and with 7 cockle sterilization factories operating in Penclawdd, an industry which must be safeguarded by adequate public health control.

AREA AND POPULATION

The District is divided into 17 parishes, the acreage of each parish being as follows :—

Bishopston	.....	.....	2598 acres
Llanmadoc	.....	.....	1463 „
Cheriton	.....	.....	1427 „
Ilston	.....	.....	3109 „
Reynoldston	.....	.....	1069 „
Knelston	.....	.....	548 „
Llangennith	.....	.....	3373 „
Llanrhidian Higher	.....	.....	5212 „
Llanrhidian Lower	.....	.....	6125 „
Nicholaston	.....	.....	517 „
Penmaen	.....	.....	1005 „
Oxwich	.....	.....	1342 „
Pennard	.....	.....	2862 „
Penrice	.....	.....	2127 „
Porteynon	.....	.....	1151 „
Llanddewi	.....	.....	2009 „
Rhossili	.....	.....	2715 „
			<hr/>
			38652 „
			<hr/>

The estimated resident population of the district mid-year 1966 is given by the Registrar General as 15,100, an increase of 600 from the previous year.

BIRTHS

The total number of live births (legitimate and illegitimate) registered for 1966 was 257, of these, 153 were males and 104 females.

Birth Rate

The birth rate for Gower for the year 1966 was 17·02, showing a slight decrease from the previous year when it was 17·45.

Still Births

There were 4 legitimate still births—1 male and 3 females.

There were no illegitimate still births.

Death of Infants

			<i>Rate per 1,000 live births</i>
Under 1 year of age	.....	..... 4	15·56
Under 4 weeks of age	.....	..... 3	
			<i>Rate per 1,000 live and Still births</i>
Under 1 week of age & Still births	.....	..... 6	22·99
Area Comparability factors—Births 1·08 Deaths 1·00			

DEATHS

Total deaths from all causes amounted to 165, of which 85 were males and 80 females.

There were no maternal deaths in 1966.

The causes of death during the year were as follows:—

	Male	Female
Malignant neoplasm, stomach	2	1
„ „ lung, bronchus	6	1
„ „ breast	—	4
Other malignant & lymphatic neoplasms	7	9
Vascular lesions of nervous system	8	10
Coronary disease, Angina	21	10
Hypertension with heart diseases	1	4
Other heart diseases	10	12
Other circulatory disease	3	8
Influenza	3	1
Pneumonia	3	6
Bronchitis	6	3
Other diseases of respiratory system	—	2
Ulcer of stomach & duodenum	1	2
Gastritis & nephrosis, diarrhoea	1	—
Nephritis, & nephrosis	2	—
Hyperplasia of prostate	1	—
Congenital malformations	1	1
Other defined & ill-defined diseases	5	4
Motor vehicle accidents	2	—
All other accidents	1	2
Suicide	1	—
Total deaths all causes	85	80

From the above it will be noted that 69 deaths were classified as diseases of the Circulatory system, an increase of 10 deaths from the previous year, and one feels that this can still be reduced nationally by advice on dietetics and exercise.

Cancer (all forms) caused 30 deaths as compared with 36 in the previous year.

DEATH RATE

The death rate, all causes, of the estimated population is 10·93. This showing a decrease from the previous year when it was 12·34.

Infant mortality rate

The infant mortality rate per thousand total live births shows a decrease from the previous year, being 15·56 as compared with 19·76 in 1965.

This compares very favourably with the figure for England and Wales as a whole, which is given as 19·00, whilst the rate for the Administrative County is 21·17.

The Infant Mortality Rate is a very good index of the Public Health Service given in the area.

I give below the Infant Mortality Rates recorded for the Gower area for the past 10 years.

Rate per thousand live births

1956	32·43
1957	40·61
1958	20·94
1959	24·84
1960	10·10
1961	26·79
1962	22·94
1963	32·26
1964	13·95
1965	19·76
1966	15·56

INFECTIOUS DISEASES

The following cases of infectious diseases were notified to the department during the year :—

Measles	.....	.....	.....	187
Scarlet Fever	.....	.....	.....	4
Puerperal Pyrexia	.....	.....	.....	1

Due to immunisation no cases of diphtheria have been notified since 1950.

VENEREAL DISEASES

Blood Tests are being done as a routine in the County Council Ante-Natal Clinics.

The nearest clinics for this area are at Swansea and Port Talbot, and the sessions are held as follows:—

Swansea Clinic (situate at Mount Pleasant Hospital)

Males : Monday : 9—12 noon.
Tuesday : 2—4 p.m.
Wednesday : 5—7 p.m.

Females : Tuesday : 9—12 noon
Thursday : 3—5 p.m.

Port Talbot Clinic (situate on the right hand side of the road immediately opposite the exit from the Railway Station).

Males : Monday : 5 p.m.—7 p.m.
Thursday : 10 a.m.—12.30 p.m.

Females : Monday : 2.30 p.m.—7 p.m.
Wednesday : 10 a.m.—12.30 p.m.

GLAMORGAN (ADMINISTRATIVE COUNTY)—VITAL STATISTICS, 1966

	Estimated Population 1966	Births		Deaths		Infant Mortality	
		Number of Births	Rate per 1000 population	Number of Deaths	Rate per 1000 population	Death under 1 Years	Rate per 1000 Live Births
			Crude	Adjusted	Crude	Adjusted	
England and Wales	48,075,300	850,000	—	17.7	563,626	11.7	19.00
Administrative County	764,000	12,804	16.76	17.10	9,401	13.90	21.17
Urban Districts	526,040	8,687	16.51	17.01	6,631	14.38	22.10
Rural Districts	237,960	4,117	17.30	17.47	2,770	12.57	19.19
<i>Health Division</i>							
Aberdare and	38,700	606	15.66	17.07	582	15.34	24.75
Mountain Ash	29,300	509	17.37	17.37	372	15.24	29.47
Caerphilly and	38,040	814	21.40	20.97	430	14.13	30.71
Gelligaer.	35,000	658	18.80	18.80	413	15.34	19.76
Mid Glamorgan	15,100	231	15.30	15.76	181	13.19	12.99
	21,430	353	16.47	17.13	261	14.86	14.16
	20,670	320	15.48	15.94	261	15.41	28.13
	12,540	248	19.78	22.15	168	11.52	20.16
	46,650	990	21.22	20.37	599	12.84	23.23
	30,200	450	14.90	15.50	404	13.38	13.33
Neath and	40,910	628	15.35	15.96	456	11.15	23.89
District	29,500	581	19.69	18.71	288	9.76	25.82
Pontypridd and	35,090	555	15.82	16.14	433	12.83	19.82
Llantrisant	9,460	191	20.19	19.58	105	16.67	41.88
Port Talbot and	51,800	792	15.29	15.14	586	11.31	17.68
Glyncorrwg	42,430	702	16.54	17.04	489	11.52	17.09
South East	54,410	883	16.23	15.74	680	12.50	9.06
Glamorgan	1,140	21	18.42	18.60	13	11.40	—
	21,260	374	17.59	18.82	165	7.76	21.39
	21,950	395	18.00	19.44	297	13.53	17.72
West Glamorgan	15,100	257	17.02	18.38	165	10.93	15.56
	25,470	397	15.59	16.68	322	12.64	20.15
	30,130	404	13.40	15.14	417	13.84	14.85
Rhondda M.B.	97,720	1,445	14.79	15.23	1,314	13.45	24.91

ANALYSIS OF NOTIFIABLE DISEASES (other than Tuberculosis) for 1966

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DISEASES	NUMBER OF CASES											Total number of cases admitted to Isolation Hospital	Total Deaths
	Total at all Ages	AGE PERIODS											
		Under 1 Year	1 to 2	3 to 4	5 to 9	10 to 14	15 to 24	25 and over	Age un- known				
Measles	187	3	30	52	85	11	1	2	3	—	—		
Scarlet Fever	4	—	—	3	—	1	—	—	—	—	—		
Puerperal Pyrexia	1	—	—	—	—	—	1	—	—	—	1		

TUBERCULOSIS

1 case of Pulmonary Tuberculosis was notified, as compared with 3 in the previous year.

1 case of Respiratory Tuberculosis (previously notified) was transferred to the Gower area from Swansea County Borough.

Tuberculosis Clinics—The curative treatment of Tuberculosis is in the care of the Regional Hospital Board, and patients suffering from this disease attend the Clinic at the New Hospital Singleton Park, Swansea.

Poliomyelitis. Mass immunisation against poliomyelitis is being done. The driving force behind this is the public health department of Glamorgan County Council. It is hoped eventually to combat this disease.

This is a good illustration of "Prevention is better than cure".

LUNG CANCER

There were 7 deaths due to Lung Cancer during 1966, 6 males and 1 female all in the 55-65 age group.

These figures can be compared with the deaths from Pulmonary Tuberculosis, as shown in the following table :—

	Lung cancer		Respiratory Tuberculosis	
1957	6	.....	1
1958	5	.....	3
1959	1	.....	1
1960	5	.....	1
1961	5	.....	1
1962	5	.....	—
1963	6	.....	—
1964	4	.....	—
1965	8	.....	—
1966	7	.....	—

All other forms of cancer caused 23 deaths—14 females and 9 males, a decrease of 5 deaths from the previous year,

SMOKING AND DISEASE

There is no doubt that cancer of the lung is undoubtedly associated with smoking. Every effort should be taken to prevent young people from starting, and to wean the addicts from pursuing their dangerous pleasure.

COUNTY COUNCIL SERVICES

The Cower and Llŵchwr Areas

The County Council are responsible for the following health service in the area.

- Health Centres
- Care of mothers and young children
- Midwifery
- Health Visiting
- Home Nursing
- Vaccination and immunisation
- Ambulance service
- Prevention of illness, care and after care
- Home help service
- Mental Health
- Food and drugs

Health Centres

There has been increased interest in recent years in the provision of health centres. This can be attributed to the trend by general practitioners towards group practice and the increasing realisation that the premises of many doctors leave much to be desired. After much discussion between general practitioners, the Local Health Authority and the Executive Council, plans have been made for the first full scale purpose built health centre in Glamorgan to be built in Gorseinon during the year 1967/68, which in addition to providing local authority facilities will have accommodation for seven G.P's.

Care of mothers and young children

Ante-natal and infant welfare clinics continue to be held at centres throughout the area.

Midwifery

The trend towards hospital confinements continued. The percentage of hospital confinements in West Glamorgan during 1966 was 89·9, as compared with 85·3 in 1965. Over 70% of the women confined in hospital during 1966 were discharged before the tenth day. The domiciliary midwife is therefore tending to concentrate on maternity nursing rather than delivery.

The Ambulance Service

The ambulance service is administered by the county council. A re-organisation of the service took place during 1965. The main control for the area is at Neath, but there are ambulance stations at Gorseinon and Pontardawe and a sub-station at Reynoldston.

Prevention of illness, care and aftercare

The services covered under this heading include :—

(i)—Chiropody facilities are available both at home and at clinics in the area.

(ii)—Health Education

(iii)—Fluoridation of water supplies. Although supplies in the area are not treated, the County Council have agreed in principle to fluoridation, and hope to make a start in the Mid Glamorgan area shortly. The position is more complicated in West Glamorgan as the Water Board also supplies areas outside the administrative county.

(iv)—Early detection of cervical cancer. West Glamorgan was a pioneer of a cervical cytology service, facilities were available at Bishopston.

(v)—Provision of medical comforts. These can be obtained from the divisional health office, and district nurses have a limited supply of the smaller items.

Mental Health

The County Council have a junior training centre for the sub-normal at Penllergaer. Hostel facilities are available in other parts of the county for those with unsatisfactory home conditions. Hostel facilities are also provided for adult sub-normals.

Mentally ill patients are admitted when necessary to Cefn Coed Hospital, Swansea, but every effort is made to enable them to remain in the community if possible and to this end the county council maintain a staff of health welfare officers who give support to these patients.

Home Help Service

This service continues to give valuable assistance particularly to the aged. It is administered from the divisional health office under the control of the divisional medical officer and in September, 1966, for the first time a full time supervisor for the area was appointed.

Food and drugs

The County Council are the food and drugs authority for the area, being responsible for ensuring that the quality and composition of foods sold in the area are properly maintained.

COMMON LODGING HOUSES

There are no Common Lodging Houses in the Gower area.

PUBLIC HEALTH (PREVENTION OF TUBERCULOSIS) REGULATIONS, 1925

No action was taken under this regulation during the year 1966, relating to Tubercular employees in the milk trade.

PUBLIC HEALTH ACT, 1936, SECTION 172

No action was taken under this Section during the year 1966.

TUBERCULOSIS

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NEW CASES AND MORTALITY DURING 1966

Age Periods	NEW CASES				DEATHS			
	Respiratory M.	Respiratory F.	Non-Respiratory M.	Non-Respiratory F.	Respiratory M.	Respiratory F.	Non-Respiratory M.	Non-Respiratory F.
Under 5	—	—	—	—	—	—	—	—
5—14	—	—	—	—	—	—	—	—
15—24	—	—	—	—	—	—	—	—
25—44	1	—	—	—	—	—	—	—
45—64	—	—	—	—	—	—	—	—
65 and over	—	—	—	—	—	—	—	—
Age Unknown	—	—	—	—	—	—	—	—
TOTALS	1	—	—	—	—	—	—	—

Hospitals—The Gorseinon General and Maternity Hospital, Garngoch Hospital, Fairwood Hospital and Stouthall Convalescent Home are under the control of the Glantawe Hospital Management Committee.

NATIONAL HEALTH SERVICE ACT, 1946

Ambulance Facilities :—

Since the 5th July 1948, the Glamorgan County Council have taken over control of the ambulance services in the administrative county.

As regards this area, an Ambulance Station is established at Neath, which controls the ambulances and cars stationed at Reynolston, and also some neighbouring Authorities.

Laboratory Facilities—Pathological and bacteriological specimens are submitted to the Cardiff Laboratory and the Public Health Laboratory, Cockett, Swansea, for examination.

HOUSING

No. of Council Houses erected in 1966	4
No. under construction at 31-12-66	Nil
No of private houses erected in 1966	213
No. under construction at 31-12-66	94

FOOD AND DRUGS

Through the kindness of Dr. W. E. Thomas, County Medical Officer of Health, I am able to give the following particulars of samples taken and submitted to the Public Analyst.

**Samples taken in the Gower Rural District by the
County Sampling Officers for the year 1966**

Aspirins	9	Meat Paste	1
Bicarbonate of Soda ..	1	Meat Products (canned)	4
Butter	9	Milk	147
Cake Sponge Pastry		Orange & Lemon Curd	1
Mix etc.	6	Peanut Butter	1
Cheese Spread	2	Pearl Barley	2
Chocolate Drink	1	Pepper	2
Coffee & Chicory	2	Pie Filling	2
Colouring	1	Salad Cream	2
Cooking Fat	2	Sauces	5
Cream	3	Semolina	2
Desiccated Coconut	3	Soft Drinks	17
Evaporated Milk	1	Spices	1
Fruit Juice	2	Stomach Powder	1
Gravy Browning	3	Sweets	2
Honey	5	Table Jelly	1
Ice Cream	3	Tea	1
Lard	2	Vinegar	6
Marzipan ..	5	Vitamin Tabs. etc.	2

CARAVAN SITES

There were 27 holiday caravan sites licenced at the end of the year involving the siting of some 1358 caravans, and the numbers per site ranged from 1 to 200 caravans.

The largest concentration of caravans—590 contained in 3 sites—are stationed in North Gower between Llangennith and Llanmadoc, and the remaining heavy concentrations are sited at Port Eynon and Horton—347, Oxwich—201.

The increasing problem that still exists to-day is that of the tented camping sites. These sites are generally established on land adjoining licenced caravan sites and under the same ownership.

The legislation in force to control tented campers is still very limited, and campers still make use of those facilities provided for the use of caravan sites licenced under the Caravan Sites & Control of Development Act 1960.

The following are the licenced caravan sites within the area:—

<i>Holiday Sites</i>	<i>Caravans permitted</i>
F. G. Bevan, Bayholme, Oxwich	10
Islwyn J. & Audrey Bennett Westernside Farm, Horton	30
Mrs. P. Brown, Plimmers Field, Pennard	1
E. G. Chappel, Briarwood Farm, Knelston.	20
W. T. Cross Adjoining Hilland Caravan Site, Llangennith	2
T. E. Gordon, Greenway Farm, Oxwich	70
D. A. Griffiths, Culver House, Port Eynon	11
Mrs. H. M. Grove, Port Eynon Burrows	64
J. Noel Grove, Port Eynon Enclosures 234 and 235	70
W. & E. Grove, Post Office, Port Eynon	50
D. G. Lewis, Sea View Caravan Site, Oxwich	84
W. H. Loosemore, New Park, Port Eynon	58
Rhoda M. Morris & Heather A. Shefford, Broughton Bay, Llangennith	200

Caravan Sites—Continued

J. Mumby, Horton Farm, Horton	7
M. J. Nuttall, Mrs. Horton Burrows, Enclosure 452	18
J. Oliver Green Meadow Farm, Oxwich	25
G. E. Rees, Hillend, Llangennith	200
E. Richards, Horton Burrows	18
E. Richards, Bank Farm, Horton	14
Scurlage Caravan Park Ltd., Scurlage Caravan Park, Scurlage	112
E. Solomon, Brynmoel Farm, Upper Killay	29
St. Donats Holiday Estates Ltd, Lagadranta, Llanmadoc	190
Leonard Smith, Norton Farm, Oxwich	5
Roger Taylor, Fairfield, Southgate	56
N. Tucker, The Beeches, Horton	7
T. J. Tucker, Norton Farm, Oxwich	3
T. Williams, Cliffside Guest House, Oxwich	4

<i>Residential Sites</i>	<i>Caravans Permitted</i>	
Brilroad Investment Co. Ltd., Cannisland Caravan Park, Parkmill45
W. E. Heaton, Healcot, Heal Lane, Pennard 1
H. I. Thomas, Beaufort Arms, Kittle, Bishopston 3
E. Soloman, Brynmoel Farm, Upper Killay 1

PUBLIC TOILET FACILITIES

The public toilet facilities are inadequate in the Gower area, especially during the holiday season, and are being remedied.

Extensions will shortly be put in hand at the Port Eynon and Rhossili toilets.

Plans for extensions are also being considered for the existing Horton conveniences, and for new conveniences at other villages where holiday visitors congregate.

FACTORIES ACT, 1961

As required by Section 153 (1) of the Factories Act, 1961, I give below particulars with respect to matters under Part I and Part 8 of the Act as administered by this Council.

1—INSPECTIONS for purposes of provisions as to health

Premises (1)	Number on Register (2)	Number of		
		Inspection (3)	Written notices (4)	Occup'rs prose- cuted (5)
(i) Factories in which Sections 1, 2, 3, 4, and 6 are to be enforced by Local Authorities	4	3	—	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	24	27	—	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	4	4	—	—
Total	32	34	—	—

2—Cases in which DEFECTS were found

Particulars (1)	Number of cases in which defects were found				Number of cases in which prosecutions were instituted (6)
	Found (2)	Remedied (3)	To H.M. Inspect- or (4)	By H.M. Inspect- or (5)	
Want of cleanliness (S.1)	3	3	—	—	—
Overcrowding (S.2)	—	—	—	—	—
Unreasonable temperature (S.3)	—	—	—	—	—
Inadequate ventilation (S.4)	—	—	—	—	—
Ineffective drainage of floors (S.6)	—	—	—	—	—
Sanitary Conveniences (S.7)					
(a) Insufficient	4	3	—	—	—
(b) Unsuitable or defective	—	—	—	—	—
(c) Not separate for sexes	—	—	—	—	—
Other offences against the Act (not including offences relating to Outwork)	—	—	—	—	—
Total	7	6	—	—	—

Summary of Visits

Number of Houses inspected	113
Number of Houses re-visited	97
Number of temporary dwellings inspected	15
Number of temporary dwellings re-visited	8
Caravan and Camping Sites	73
House-letting	27
Food premises	41
Cafes, Hotels and Licensed Premises	43
Mobile Shops	2
Schools and School Kitchens	3
Cockle and Laverbread Manufacturers	17
Slaughterhouses	266
Offices, Shops & Railway Premises Act	52
Dairy premises	29
Farm premises	1
Water supplies	9
Drainage and Sewage disposal	153
Drains tested	76
Public Conveniences	13
Refuse Disposal etc.	17
Infectious Diseases	4
Disinfections	4
Rat Infestation	16
Petroleum Stations	31
Animal Boarding Establishments	4
Owners and Contractors interviewed	169
Other visits	73

Notices

Number of Statutory Notices served	21
Number of Statutory Notices complied with	3
Number of Informal Notices served	25
Number of Informal Notices complied with	12

Clearance areas and Individual Unfit Houses

Action taken under the Housing Acts & Public Health Act for the period ending 31st December, 1966.

			No. of houses	No. of persons displaced
Part A.—Houses Demolished Not in Clearance Area	.....	.....	—	—
As a result of formal or informal procedure under Sec. 16 or 17(1), Housing Act 1957	.....	.....	20	10
Part B.—Unfit Houses Closed				
Under Housing Act, 1957	.....	.....	1	—
Part E.—Unfit Houses made fit and houses in which defects were remedied.			By Owner.	Local Authority
After informal action by Local Authority	..		12	—
After formal notice under Public Health Act			2	—
” ” ” ” Housing Act, 1957			—	—

WATER SUPPLY

The number of dwelling houses and the population in each parish which are supplied from the public water mains are listed below.

	Number supplied directly into house		Number supplied by stand pipe outside house		Number not supplied by S.P. or directly to house	
	Dwell. houses	Population	Dwell. houses	Population	Dwell. houses	Population
Bishopston	1297	3729	30	104	60	191
Cheriton	45	139	—	—	—	—
Ilston	84	258	9	19	—	—
Knelston	20	60	1	2	—	—
Llandewi	50	197	—	—	—	—
Llangennith	96	263	5	23	12	19
Llanmadoc	64	175	4	6	5	9
Llanrhidian (Higher)	1559	5123	18	84	—	—
Llanrhidian (Lower)	226	740	22	48	9	14
Nicholaston	29	88	—	—	—	—
Oxwich	54	182	—	—	—	—
Pennard	682	1825	30	100	70	150
Penmaen	55	150	—	—	—	—
Penrice	82	222	13	27	—	—
Port Eynon	80	225	—	—	1	1
Reynoldston	100	263	7	11	6	15
Rhossili	102	338	—	—	—	—
	4625	13977	139	424	163	399
Total Population			14800			
Total separate dwell. houses			4944			

WATER SAMPLING

Samples of water were taken for bacteriological examination and chemical analysis, the number and results of the examination were as follows :—

	No. of Samples	Piped Supply			
		Chlorinated Sat.	Chlorinated Unsat.	at Source Sat.	at Source Unsat.
Bacteriological	9	8	1	—	—
Chemical	7	7	—	—	—

The bacteriologist's report on the above unsatisfactory sample showed "evidence of inadequate chlorination". The subsequent sample at the same source proved satisfactory.

Residual Chlorine

Comparator readings of the 9 chlorinated samples were as follows :—

Not chlorinated	1
No trace	7
·4 parts per million	1

Reservoirs

Below is a list of reservoirs showing their capacity ; the water in all instances is chlorinated before going into supply.

Cefn Bryn (Ex-Parkmill)	.....	.....	1,000,000	Gals.
Hotwell	.....	.....	30,000	do.
Holywell	.....	.....	37,500	do.
Pitton	.....	.....	60,000	do.

FLUORIDATION

Fluoridation can reduce the incidence of dental caries.

The Fluoride content of the water supplies in Gower is very low.

The Fluoridation of water supplies is a necessity.

SEWERAGE AND SEWAGE DISPOSAL

The Crofty and Llanmorlais Sewage disposal scheme is now completed and has been put into operation. Approx. 60% of properties in the area have been connected to the main sewer.

A scheme is also in the course of construction in the villages of Port Eynon and Horton.

The Bishopston and Kittle sewerage scheme is also in the course of preparation, and it is intended that the effluent shall receive full treatment before its final discharge into the sea. It is hoped this scheme will be commenced some time in 1967.

Additional sewerage schemes which are in the course of preparation include the villages of Llangennith, Oxwich, Rhossilli, Llanmadoc and Reynoldston.

Samples of sewage effluent were taken for chemical analysis from the following plants with results as shown.

Investigations were made and follow up samples taken in respect to those plants from which unsatisfactory samples were obtained.

	<i>Sat.</i>	<i>Unsat.</i>	<i>Total</i>
Penclawdd	3	—	3
Llanrhidian	1	1	2
Southgate Development Co.			
Parkmill	1	2	3
Crofty & Llanmorlais	1	—	1
	<hr/> 6	<hr/> 3	<hr/> 9 <hr/>

FOOD AND DRUGS

Food Hygiene (General) Regulations 1960

The following gives details of the food premises which are subject to the above Regulations and categorised according to the trade carried on in them :—

Trade	No. of Premises	No. Provided with wash-hand basins. Reg. 16	Prov. of wash-up sinks	
			Premises applicable	No. Provided with wash-up sinks
Bakehouses	2	2	2	2
Boarding houses	8	8	8	8
Butchers	10	8	10	8
Cafes & Restaurants	15	15	15	15
Clubs	9	9	9	9
Confectioners & Tobacconists	11	10	11	11
Fish & Chips	2	2	2	2
Green Grocery	2	—	2	2
Grocery & General Stores	61	57	61	57
Hostels	3	3	3	3
Hotels	3	3	3	3
Institutions	2	2	2	2
Laverbread manufacturers	3	3	3	3
Public Houses	20	20	20	20
Shell fish processing	7	5	7	6
	158	147	158	151

Milk and Dairies (General) Regulations, 1959

The following is the number of Registered Distributors and Dairies.

Registered Distributors

Dairymen	.....	..... 8)	
Producer retailers	.....	..... 3)	20
Retail Distributors	.....	..... 9)	

Registered Dairies 7

MILK SAMPLES—Brucella Abortus

Number of samples of raw milk examined	.....22
„ „ positive samples found	..... 2

As a result of the above 2 positive cases, follow-up samples of milk are being taken for examination, and to-date 2 affected cows have been removed for slaughter.

**CARCASES AND OFFAL INSPECTED AND CONDEMNED IN WHOLE
OR IN PART**

Description	Cattle Ex- cluding Cows	Cows	Calves	Sheep	Pigs
Number killed	185	—	6	2537	592
Number inspected	185	—	6	2537	592
All diseases except Tuberculosis & Cysticerci					
Whole carcasses condemned	—	—	—	—	—
Carcasses of which some part or organ was condemned	31	—	—	95	35
Percentage of the number inspected affected with disease other than tuberculosis and cysticerci	16·75%		—	3·74%	5·91%
Tuberculosis only					
Whole carcasses condemned	—	—	—	—	—
Carcasses of which some part or organ was condemned	—	—	—	—	2
Percentage of the number inspected affected with tuberculosis	—	—	—	—	0·34%
Cysticercosis					
Carcasses of which some part or organ was condemned	—	—	—	—	—
Carcasses submitted to treatment by refrigeration	—	—	—	—	—
Generalised and totally condemned	—	—	—	—	—

RODENT CONTROL

The following is a summary of the inspections made, and the treatment carried out by the rodent operator for the year ending 31st December, 1966.

		TYPE OF PROPERTY	
		Non- Agricultural	Agricultural
Properties other than Sewers			
1.	No. of properties in district	5167	327
2.	a. Total No. of properties (including nearby premises) inspected following notification	862	8
	b. No. infested by Rats	550	8
	,, ,, ,, Mice	9	—
3.	a. Total No. of properties inspected for rats/or mice for reasons other than notification	666	201
	b. No. infested by rats	377	9
	,, ,, ,, mice	12	—

